

TDMS No. 20323 - 03

**P18: INCIDENCE RATES OF NON-NEOPLASTIC LESIONS BY ANATOMIC SITE (a) WITH
AVERAGE SEVERITY GRADES[b]**

Date Report Requested: 07/11/2011

Test Type: 90 DAY W/PN EXP

Resveratrol

Time Report Requested: 10:44:18

Route: GAVAGE

CAS Number: 501-36-0

First Dose M/F: 11/24/08 / 11/25/08

Species/Strain: RATS/Wistar Han

Lab: BAT

F1_RE

C Number: C20323
Lock Date: 04/22/2010
Cage Range: ALL
Date Range: ALL
Reasons For Removal: ALL
Removal Date Range: ALL
Treatment Groups: Include ALL
Study Gender: Both
TDMSE Version: 2.4.2.1_003
PWG Approval Date: NONE

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Wistar Han RATS MALE	0 MG/KG	78 mg/kg	156 mg/kg	312.5 mg/kg	625 mg/kg	1250 mg/kg
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Disposition Summary

Animals Initially In Study	10	10	10	10	10	10
Early Deaths						
Survivors						
Terminal Sacrifice	10	10	10	10	10	10
Animals Examined Microscopically	10	10	10	10	10	10

ALIMENTARY SYSTEM

Esophagus	(10)	(0)	(0)	(0)	(0)	(10)
Intestine Large, Cecum	(10)	(0)	(0)	(0)	(0)	(10)
Intestine Large, Colon	(10)	(0)	(0)	(0)	(0)	(10)
Intestine Large, Rectum	(10)	(0)	(0)	(0)	(0)	(10)
Intestine Small, Duodenum	(10)	(0)	(0)	(0)	(0)	(10)
Intestine Small, Ileum	(10)	(0)	(0)	(0)	(0)	(10)
Intestine Small, Jejunum	(10)	(10)	(10)	(10)	(10)	(10)
Lymphatic, Ectasia					2 [1.5]	2 [2.0]
Lymphatic, Peyer's Patch, Ectasia			1 [1.0]		2 [2.0]	1 [2.0]
Liver	(10)	(10)	(10)	(10)	(10)	(10)
Hematopoietic Cell Proliferation						1 [1.0]
Infiltration Cellular, Mixed Cell Necrosis	6 [1.0]	4 [1.0]	2 [1.0]	6 [1.0]	7 [1.0]	7 [1.0]
Pigmentation		1 [2.0]				1 [1.0]
Pancreas	(10)	(0)	(0)	(0)	(0)	(10)
Acinus, Atrophy	1 [1.0]					1 [1.0]
Salivary Glands	(10)	(0)	(0)	(0)	(0)	(10)
Stomach, Forestomach	(10)	(0)	(0)	(0)	(0)	(10)
Stomach, Glandular	(10)	(0)	(0)	(0)	(0)	(10)

CARDIOVASCULAR SYSTEM

Blood Vessel	(10)	(0)	(0)	(0)	(0)	(10)
Heart	(10)	(10)	(10)	(10)	(10)	(10)
Cardiomyopathy	1 [1.0]	2 [1.5]		3 [1.3]	2 [1.0]	4 [1.0]

a - Number of animals examined microscopically at site and number of animals with lesion

b-Average severity grade(1-minimal;2-mild;3-moderate;4-marked)

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ENDOCRINE SYSTEM

Adrenal Cortex	(10)	(0)	(0)	(0)	(0)	(10)
Adrenal Medulla	(10)	(0)	(0)	(0)	(0)	(10)
Islets, Pancreatic	(10)	(0)	(0)	(0)	(0)	(10)
Parathyroid Gland	(10)	(0)	(0)	(0)	(0)	(10)
Pituitary Gland	(10)	(0)	(0)	(0)	(0)	(10)
Thyroid Gland	(10)	(0)	(0)	(0)	(0)	(10)

GENERAL BODY SYSTEM

None

GENITAL SYSTEM

Epididymis	(10)	(0)	(0)	(0)	(0)	(10)
Preputial Gland	(10)	(0)	(0)	(0)	(0)	(10)
Inflammation, Chronic	2 [2.0]					2 [2.0]
Prostate	(10)	(0)	(0)	(0)	(0)	(10)
Inflammation	3 [1.7]					2 [1.0]
Seminal Vesicle	(10)	(0)	(0)	(0)	(0)	(10)
Testes	(10)	(0)	(0)	(0)	(0)	(10)

HEMATOPOIETIC SYSTEM

Bone Marrow	(10)	(0)	(0)	(0)	(0)	(10)
Lymph Node, Mandibular	(10)	(0)	(0)	(0)	(0)	(10)
Atrophy	1 [1.0]					1 [1.0]
Lymph Node, Mesenteric	(10)	(0)	(0)	(0)	(0)	(10)
Spleen	(10)	(0)	(0)	(0)	(0)	(10)
Pigmentation, Hemosiderin						1 [1.0]
Thymus	(10)	(0)	(0)	(0)	(0)	(10)

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Wistar Han RATS MALE	0 MG/KG	78 mg/kg	156 mg/kg	312.5 mg/kg	625 mg/kg	1250 mg/kg
INTEGUMENTARY SYSTEM						
Mammary Gland	(10)	(0)	(0)	(0)	(0)	(10)
Skin	(10)	(0)	(0)	(0)	(0)	(10)
MUSCULOSKELETAL SYSTEM						
Bone	(10)	(0)	(0)	(0)	(0)	(10)
NERVOUS SYSTEM						
Brain	(10)	(0)	(0)	(0)	(0)	(10)
RESPIRATORY SYSTEM						
Lung	(10)	(0)	(0)	(0)	(0)	(10)
Inflammation, Chronic Active	1 [1.0]					
Nose	(10)	(0)	(0)	(0)	(0)	(10)
Trachea	(10)	(0)	(0)	(0)	(0)	(10)
SPECIAL SENSES SYSTEM						
Eye	(10)	(0)	(0)	(0)	(0)	(10)
Harderian Gland	(10)	(0)	(0)	(0)	(0)	(10)
URINARY SYSTEM						
Kidney	(10)	(10)	(10)	(10)	(10)	(10)
Cyst					2 [1.5]	
Inflammation, Chronic			1 [1.0]			
Mineralization	2 [1.0]					1 [1.0]

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Species/Strain: RATS/Wistar Han

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Wistar Han RATS MALE	0 MG/KG	78 mg/kg	156 mg/kg	312.5 mg/kg	625 mg/kg	1250 mg/kg
Nephropathy		3 [1.0]	1 [1.0]	4 [1.0]	2 [1.0]	7 [1.0]
Pelvis, Dilatation	4 [1.8]	5 [1.2]	4 [1.3]	4 [1.8]	5 [1.8]	4 [2.0]
Renal Tubule, Dilatation					1 [1.0]	7 [1.0]
Urinary Bladder	(10)	(0)	(0)	(0)	(0)	(10)

*** END OF MALE ***

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Wistar Han RATS FEMALE	0 MG/KG	78 mg/kg	156 mg/kg	312.5 mg/kg	625 mg/kg	1250 mg/kg
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Disposition Summary

Animals Initially In Study	10	10	10	10	10	10
Early Deaths						
Survivors						
Terminal Sacrifice	10	10	10	10	10	10
Animals Examined Microscopically	10	10	10	10	10	10

ALIMENTARY SYSTEM

Esophagus	(10)	(0)	(0)	(0)	(0)	(10)
Intestine Large, Cecum	(10)	(0)	(0)	(0)	(0)	(10)
Intestine Large, Colon	(10)	(0)	(0)	(0)	(0)	(10)
Intestine Large, Rectum	(10)	(0)	(0)	(0)	(0)	(10)
Intestine Small, Duodenum	(10)	(0)	(0)	(0)	(0)	(10)
Intestine Small, Ileum	(10)	(0)	(0)	(0)	(0)	(10)
Intestine Small, Jejunum	(10)	(10)	(10)	(10)	(10)	(10)
Lymphatic, Ectasia						2 [2.0]
Lymphatic, Peyer's Patch, Ectasia		2 [1.5]		1 [2.0]		1 [2.0]
Peyer's Patch, Mineralization						1 [2.0]
Liver	(10)	(10)	(10)	(10)	(10)	(10)
Clear Cell Focus				1		
Infiltration Cellular, Mixed Cell	9 [1.0]	10 [1.0]	9 [1.0]	6 [1.0]	9 [1.0]	8 [1.0]
Mineralization						1 [1.0]
Pancreas	(10)	(0)	(0)	(0)	(0)	(10)
Salivary Glands	(10)	(0)	(0)	(0)	(0)	(10)
Stomach, Forestomach	(10)	(0)	(0)	(0)	(0)	(10)
Stomach, Glandular	(10)	(0)	(0)	(0)	(0)	(10)
Muscularis, Mineralization	1 [1.0]					

CARDIOVASCULAR SYSTEM

Blood Vessel	(10)	(0)	(0)	(0)	(0)	(10)
Heart	(10)	(0)	(0)	(0)	(0)	(10)

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ENDOCRINE SYSTEM

Adrenal Cortex	(10)	(0)	(0)	(0)	(0)	(10)
Adrenal Medulla	(10)	(0)	(0)	(0)	(0)	(10)
Islets, Pancreatic	(10)	(0)	(0)	(0)	(0)	(10)
Parathyroid Gland	(10)	(0)	(0)	(0)	(0)	(10)
Pituitary Gland	(9)	(0)	(0)	(0)	(0)	(10)
Thyroid Gland	(10)	(0)	(0)	(0)	(0)	(10)

GENERAL BODY SYSTEM

None

GENITAL SYSTEM

Clitoral Gland	(10)	(0)	(0)	(0)	(0)	(10)
Inflammation, Chronic	4 [1.0]					3 [1.0]
Ovary	(10)	(0)	(0)	(0)	(0)	(10)
Uterus	(10)	(0)	(0)	(0)	(0)	(10)
Vagina	(0)	(0)	(1)	(0)	(0)	(0)
Cyst			1 [2.0]			

HEMATOPOIETIC SYSTEM

Bone Marrow	(10)	(0)	(0)	(0)	(0)	(10)
Lymph Node, Mandibular	(10)	(0)	(0)	(0)	(0)	(10)
Atrophy	1 [1.0]					
Lymph Node, Mesenteric	(10)	(0)	(0)	(0)	(0)	(10)
Spleen	(10)	(0)	(0)	(0)	(0)	(10)
Thymus	(10)	(0)	(0)	(0)	(0)	(10)

INTEGUMENTARY SYSTEM

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Mammary Gland	(10)	(0)	(0)	(0)	(0)	(10)
Skin	(10)	(0)	(0)	(0)	(0)	(10)
MUSCULOSKELETAL SYSTEM						
Bone	(10)	(0)	(0)	(0)	(0)	(10)
NERVOUS SYSTEM						
Brain	(10)	(0)	(0)	(0)	(0)	(10)
RESPIRATORY SYSTEM						
Lung	(10)	(0)	(0)	(0)	(0)	(10)
Inflammation, Acute						1 [1.0]
Nose	(10)	(0)	(0)	(0)	(0)	(10)
Trachea	(10)	(0)	(0)	(0)	(0)	(10)
SPECIAL SENSES SYSTEM						
Eye	(10)	(0)	(0)	(0)	(0)	(10)
Harderian Gland	(10)	(0)	(0)	(0)	(0)	(10)
Inflammation, Chronic						1 [1.0]
URINARY SYSTEM						
Kidney	(10)	(10)	(10)	(10)	(10)	(10)
Inflammation, Chronic			1 [1.0]			
Mineralization		1 [1.0]	2 [1.0]		2 [1.0]	1 [1.0]
Nephropathy			1 [1.0]	2 [1.0]	3 [1.0]	6 [1.0]
Pelvis, Dilatation		1 [1.0]		1 [1.0]	1 [1.0]	4 [1.5]
Pelvis, Inflammation						1 [2.0]
Renal Tubule, Dilatation			1 [1.0]			7 [1.0]

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Wistar Han RATS FEMALE	0 MG/KG	78 mg/kg	156 mg/kg	312.5 mg/kg	625 mg/kg	1250 mg/kg
Urinary Bladder Inflammation	(10)	(0)	(0)	(0)	(0)	(10) 1 [1.0]

*** END OF REPORT ***

a - Number of animals examined microscopically at site and number of animals with lesion

b-Average severity grade(1-minimal;2-mild;3-moderate;4-marked)